



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/500,132	02/08/2000	Kiyoshi Iseki	11197/1	2161
7590	11/24/2004		EXAMINER	
John C. Altmiller Kenyon & Kenyon 1500 K Street N.W. Suite 700 Washington, DC 20005-1257			SIMONE, CATHERINE A	
			ART UNIT	PAPER NUMBER
			1772	
DATE MAILED: 11/24/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	09/500,132	ISEKI ET AL.
	Examiner Catherine Simone	Art Unit 1772

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 10 September 2004.  
 2a) This action is **FINAL**.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1-3 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1-3 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) <input type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____

**DETAILED ACTION**

***Repeated Rejections***

1. The 35 U.S.C. 103 rejection over Misiano et al. is repeated for the reasons previously set forth in the Office Action mailed 3/11/04, Pages 2-3, Paragraph #1.
2. The 35 U.S.C. 103 rejection over Imai et al. is repeated for the reasons previously set forth in the Office Action mailed 3/11/04, Pages 4-5, Paragraph #2.
3. The 35 U.S.C. 103 rejection over Matsuda et al. is repeated for the reasons previously set forth in the Office Action mailed 3/11/04, Pages 5-7, Paragraph #3.

***Claim Rejections - 35 USC § 112***

4. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.
5. Claims 1-3 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The recitations “plural characteristic X-ray measuring means installed so as to cover the plastic film in the transverse width direction of the plastic film at a predetermined spacing between adjacent characteristic X-ray measuring means” and “control means in communication with the plural characteristic X-ray measuring means for controlling an evaporation condition for

the inorganic oxide layer based on thickness measurement data of the inorganic oxide layer measured by the plural characteristic X-ray measuring means" in claim 1 are deemed new matter. The specification, as originally filed, does not provide support for the invention as is now claimed.

6. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

7. Claims 1-3 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The recitations "plural characteristic X-ray measuring means installed so as to cover the plastic film in the transverse width direction of the plastic film at a predetermined spacing between adjacent characteristic X-ray measuring means" and "control means in communication with the plural characteristic X-ray measuring means for controlling an evaporation condition for the inorganic oxide layer based on thickness measurement data of the inorganic oxide layer measured by the plural characteristic X-ray measuring means" in claim 1 are deemed vague and indefinite. It is unclear of the relationship between the film and the X-ray measuring means and the control means. How are they related? Are the X-ray measuring means and control means part of the film or are they separate from the film? Clarification is requested.

#### *Response to Arguments*

8. Applicant's arguments filed 9/10/04 have been fully considered but they are not persuasive. Applicants argue that "none of the references cited against claims 1-3 teach or

suggest these limitations. Specifically, Misiano does not describe any control mechanism, let alone a control mechanism that controls an evaporation condition of the inorganic oxide layer based on thickness measurement data measured from the plural characteristic X-ray measuring means, as recited by claims 1-3. With respect to Imai and Matsuda, neither describe controlling conditions for evaporation based on plural film thickness data from “plural characteristic X-ray measuring means” as recited by claims 1-3 that are particularly employed for the purpose of controlling evaporation conditions.” However, it is to be pointed out that the X-ray measuring means and the control means are being treated separately from the film, since it is unclear on how the X-ray measuring means and control means relate to the film. It appears the film is separate from the X-ray measuring means and control means. Therefore, claims 1-3 stand rejected as being obvious over Misiano, Imai or Matsuda.

### ***Conclusion***

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

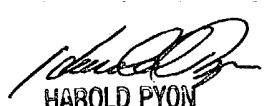
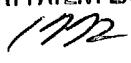
however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Catherine Simone whose telephone number is (571)272-1501. The examiner can normally be reached on 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harold Pyon can be reached on (571) 272-1498. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Catherine Simone  
Examiner  
Art Unit 1772  
November 18, 2004

  
HAROLD PYON  
SUPERVISORY PATENT EXAMINER  
  
11/22/04